



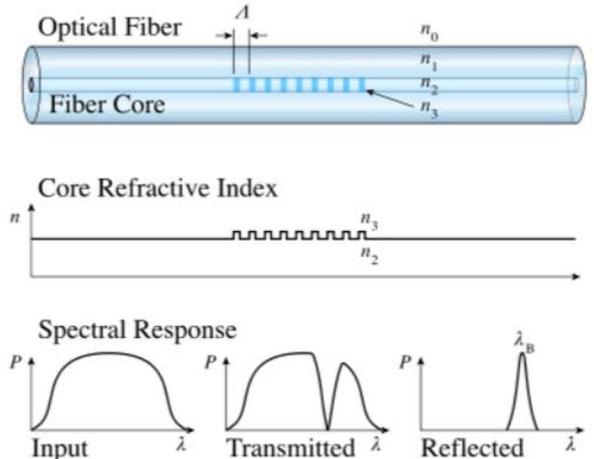
Quality and Excellence, presented by Sintec Optronics

Fiber Bragg Gratings (FBGs) and Long Period Gratings (LPGs) *NEW

A fibre grating is a region of fibre where a periodically varying refractive index grating or pattern is “written” into the core of optical fibre. These “in-fibre” components are spectrally selective, which allow only specific wavelengths to be reflected or rejected, and are thus suitable for performing many tasks such as filtering and reflecting, in a highly efficient, low loss manner.

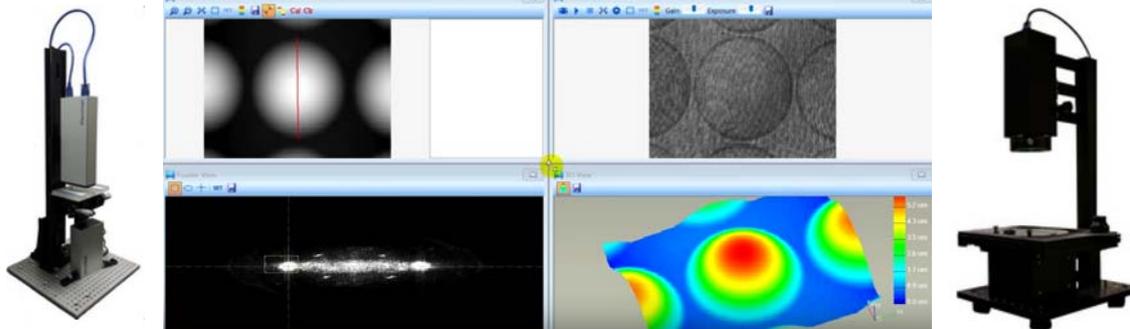
Our current capability includes fabrication of Fibre Bragg Gratings (FBG) and Long-Period Gratings (LPG). An in-house designed Fibre Grating Fabrication System with sophisticated software for fabrication process control has been setup, allowing various types of fibre gratings to be fabricated including complex grating structures such as Moiré, sampled, chirped and phase shift gratings.

Our FBG system can make gratings, whose wavelength response is mainly in C band and L band; depth can be higher than 30dB; bandwidth is around 0.5-1 nm, depending on the depth of grating. We can also do simple recoating. **You can also inquire for customized fiber gratings !**



STDO series 3D 4D Imaging Instrument Systems *NEW

We have recently developed novel optronics instrumentation systems that enable quantitative 4D imaging over a wide range of applications, such as microelectronics, biomedicine and precision engineering. These instruments can make real-time 3D measurements for MEMS and silicon wafers, micro-optics and microfluids. Instrument to measure dynamic whole-field stress analysis for injection-molding and 3D printing.



STDO-HOLO enables quantitative, non-invasive, non-contact 4D characterization of reflective surfaces. Based on the principles of digital holography, STDO-HOLO provides real-time depth measurements with comparable accuracy to that of atomic force microscope at only a significant fraction of the cost and hassle. STDO-NANO provides non-contact, non-invasive 4D measurements for transparent objects. By obtaining quantitative phase information with non-interferometric methods, STDO-NANO enables real-time nanometer-resolution depth measurements with comparable accuracy to that of digital holography and atomic force microscopy. STDO-POLAR provides dynamic whole-field stress analysis and birefringence measurements for transparent objects. By measuring the polarization of light through transparent objects, STDO-POLAR enables robust high-resolution quality-control for 3D-printed or injection-molded components. STDO-BIO is a microscope camera that converts 2D bright-field images into 4D videos. By obtaining quantitative phase information, d'Biomager allows one to capture dynamic quantitative depth information of live cells and tissues. d'Biomager can be used with any existing light microscope with a camera port.

Inquire now for more details about the capabilities of our measuring instrumentation systems.



LSLC-DIGI self-tuning scanhead is now **cheaper!**

As the LSLC-DIGI has self-tuning technology it is now possible to replace just the mirrors and let it auto-tune itself. For example, if you want operate at 355nm or 10.6um (CO2) instead of 1064nm wavelength, you can now just swap the mirrors instead of changing out the entire scanhead. Once you swap the mirrors and the LSLC-DIGI is switched on, it performs a detailed self diagnosis and system check to determine the operating parameters of the individual galvos. This ensures the accuracy and positioning of the laser marking is precise and error free. This eliminates the expense of either calling out a service technician to tune in replacements or the need to return the scan head to us. This saves both time and money – and enhances your system’s reputation and decreases downtime for your customers.



We have recently improved our production process for the scanhead and lowered our prices!
Inquire now!

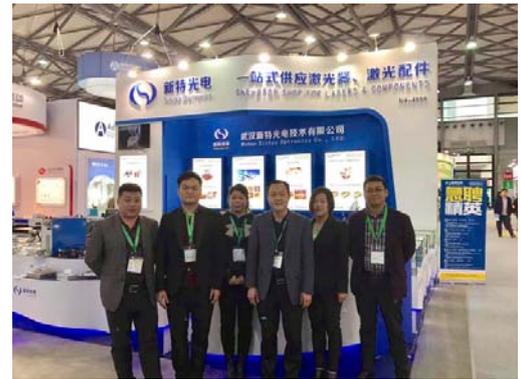
Sintec successfully participated in MTA 2017 and Laser World of Photonics China 2017 *NEW



Sintec Optronics participated in Manufacturing Technology Asia 2017 held in Singapore from 4-7 April 2017. (Left picture)

Sintec Optronics successfully participated in Laser World of Photonics China in Shanghai from March 14 to 16, 2017. (Right picture)

We showcased our latest products and technologies during the exhibition such as ultrafast lasers, DIGI laser scanners, compact diode drivers etc.



Promotional items!

We are currently overstocked on items such as Q-switch drivers, laser lamps, CO2 focussing lens and CO2 f-theta lens, high power fiber cable, ceramic reflectors, Optical galvanometers that supports 12-30mm apertures, and galvo drivers. Inquire about our stock items now and receive large discount!

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